Enzyme catalysis

**Activity A**

Catalase + hydrogen peroxide = fizzing reaction

Heated catalase + hydrogen peroxide = no reaction (I wonder why?)

Hydrogen peroxide + Cells = Fizzing reaction (What does this tell you? – boy, you gotta love the way the AP floks really push your creativity…)

**Activity B** Baseline 3.4ml

**Activity C Very odd results, should have been lower then baseline**

**Activity D**

**All started with this table.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 10 sec | 30sec | 60sec | 120sec | 180sec |
| Initial Vol | 5ml | 5ml | 5ml | 5ml | 5ml |
| Final Vol |  |  |  |  |  |
| ∆ Vol |  |  |  |  |  |
| Hydrogen Peroxide Decomposed  (Baseline – ∆ Vol) |  |  |  |  |  |

**The** ∆ Vol for 3 groups are listed below – you can calculate and use an average

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 10 sec | 30sec | 60sec | 120sec | 180sec |
| ∆ Vol | 3.0 | 2.9 | 2.2 | 1.6 | 1.4 |
| ∆ Vol | 3.0 | 2.5 | 2.0 | 1.3 | .3 |
| ∆ Vol | 2.6 | 2.1 | 1.9 | .8 | .5 |